

## CLAIMS

SUB C17

1. A gateway comprising: periodical message receiving means for receiving a periodic message delivered periodically onto one network for reading in data; memory means for storing the data of said periodic message; message value change detecting means for detecting the change of the value of the data stored in said memory means; and event message sending means for delivering the data stored in said memory means as a message on another network when said message value change detecting means detects a change of the value of the data.
2. A gateway comprising: event message receiving means for receiving an event message delivered onto one network in response to an event or demand for reading in data; memory means for storing the data of said event message; and periodical message sending means for delivering periodically the data stored in said memory means as a message on a different network.
3. A distributed system comprising:
  - a first network to which at least one device for performing periodically the sending or receiving of a message is connected;
  - a second network to which at least one device for performing the sending or receiving of a message in response to an event or demand; and
  - a gateway connected to said first and second networks, said gateway having periodical message receiving means for receiving messages which said first network sends periodically, memory

means for storing the message received by said periodical message receiving means, message value change detecting means for detecting the change of the value of the data included in the message stored in said memory means, and event message sending means for producing a message from the data stored in said memory means when said message value change detecting means detects a change of the value of the data, and for delivering the produced message to said second network.

4. A distributed system as claimed in claim 3, wherein said device for performing periodically the sending or receiving messages is an engine controlling device or an ACC control unit, and said device for performing the sending or receiving of messages in response to an event or demand is an navigation system or an internet terminal.

5. A distributed system comprising:

a first network on which a message generated at a predetermined time interval resides;

a second network on which a message generated in response to an event or demand resides; and

a gateway connected to said first and second network and having a memory part and a processing part;

said processing part of said gateway causing to memorize in said memory part the message generated by said first network at a predetermined time interval, detecting a change of the value of the data included in said memorized message, producing a

message from the data memorized in said memory part when a change of the value of the data is detected, and delivering said produced message to said second network.

- 5 6. A distributed system as claimed in claim 5, wherein said processing part causes to memorize in said memory part the message generated in response to an event or demand from said second network, and delivers said memorized message to said first network at a predetermined time interval.